

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P415318

Luminaire Tested: **LXF.LXT-PA1-40-830-U-T3-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415318
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-26)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-40-830-U-T3-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3061 lumens
Efficiency: N/A
Efficacy: 76.5 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type IV - Medium - Non-Cutoff
BUG Rating: B0 - U0 - G1

Input Watts (W): 40
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

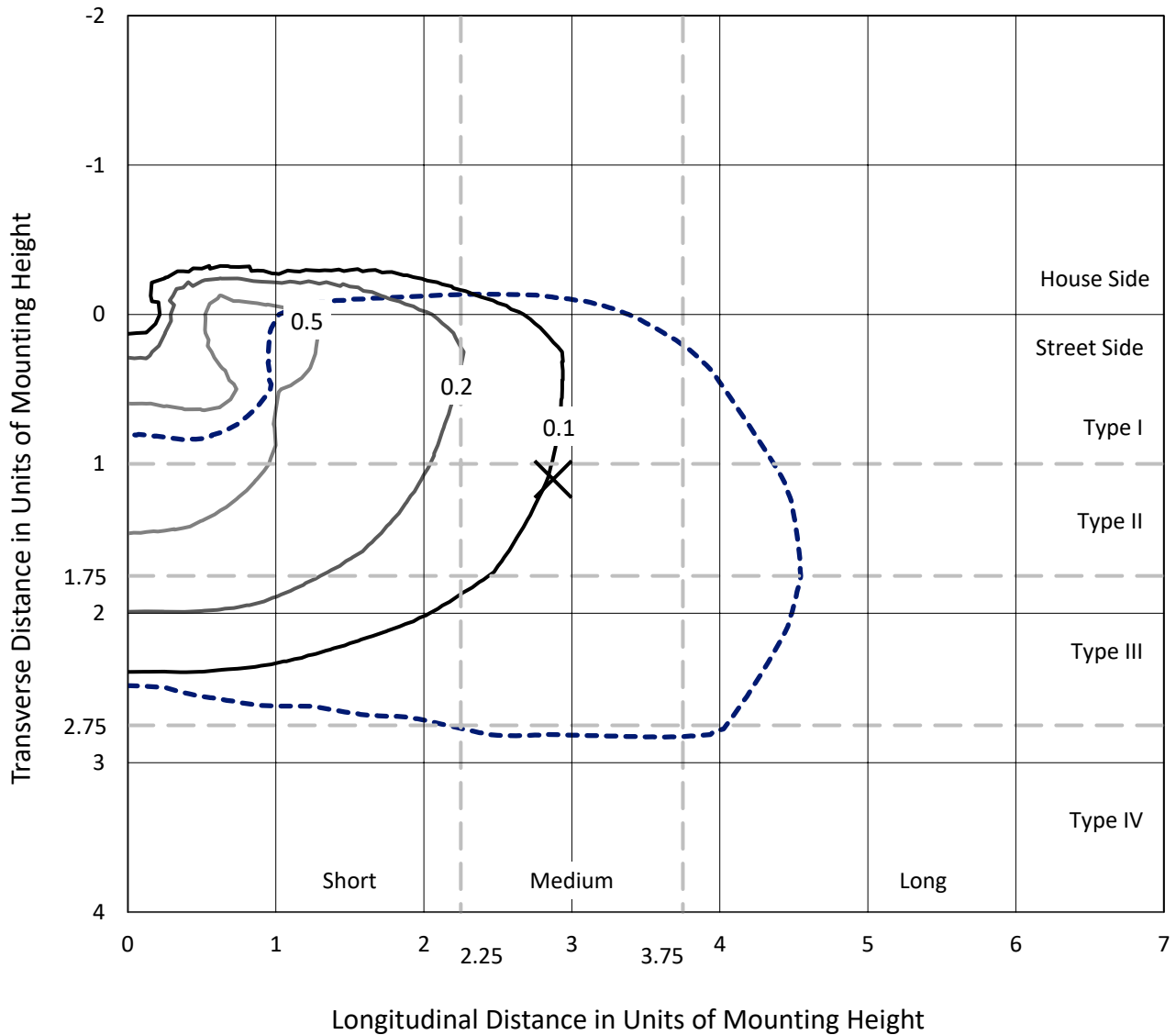


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

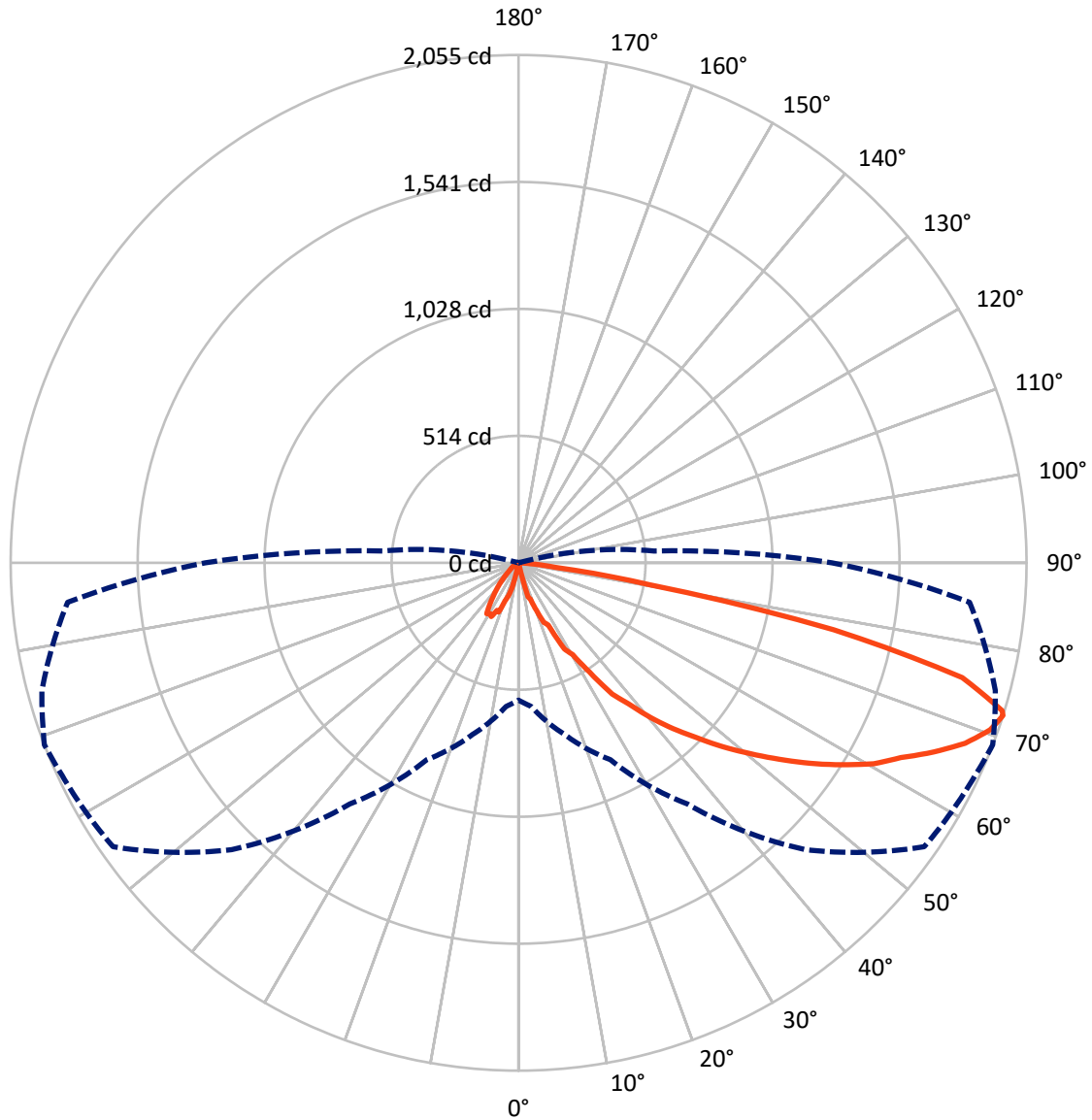


Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 69-Deg Lateral - - - Horizontal Cone Through 72-Deg Vertical

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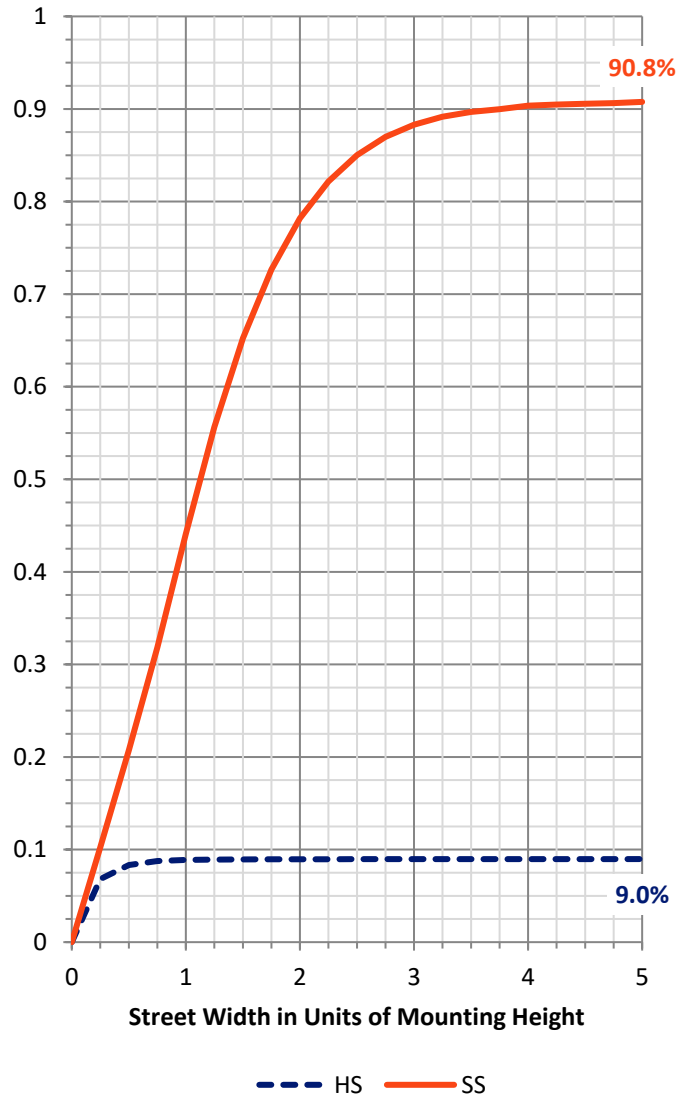
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	277.6	0.0	277.6
	% Fixture	9.1	0.0	9.1
Street Side	Lumens	2783.4	0.0	2783.4
	% Fixture	90.9	0.0	90.9
Total	Lumens	3061.0	0.0	3061.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.0	0.1
10°-20°	26.6	0.9
20°-30°	95.3	3.1
30°-40°	243.5	8.0
40°-50°	481.8	15.7
50°-60°	759.3	24.8
60°-70°	883.2	28.9
70°-80°	536.1	17.5
80°-90°	33.2	1.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3061.0	100.0
0°-180°	3061.0	100.0

Coefficient of Utilization



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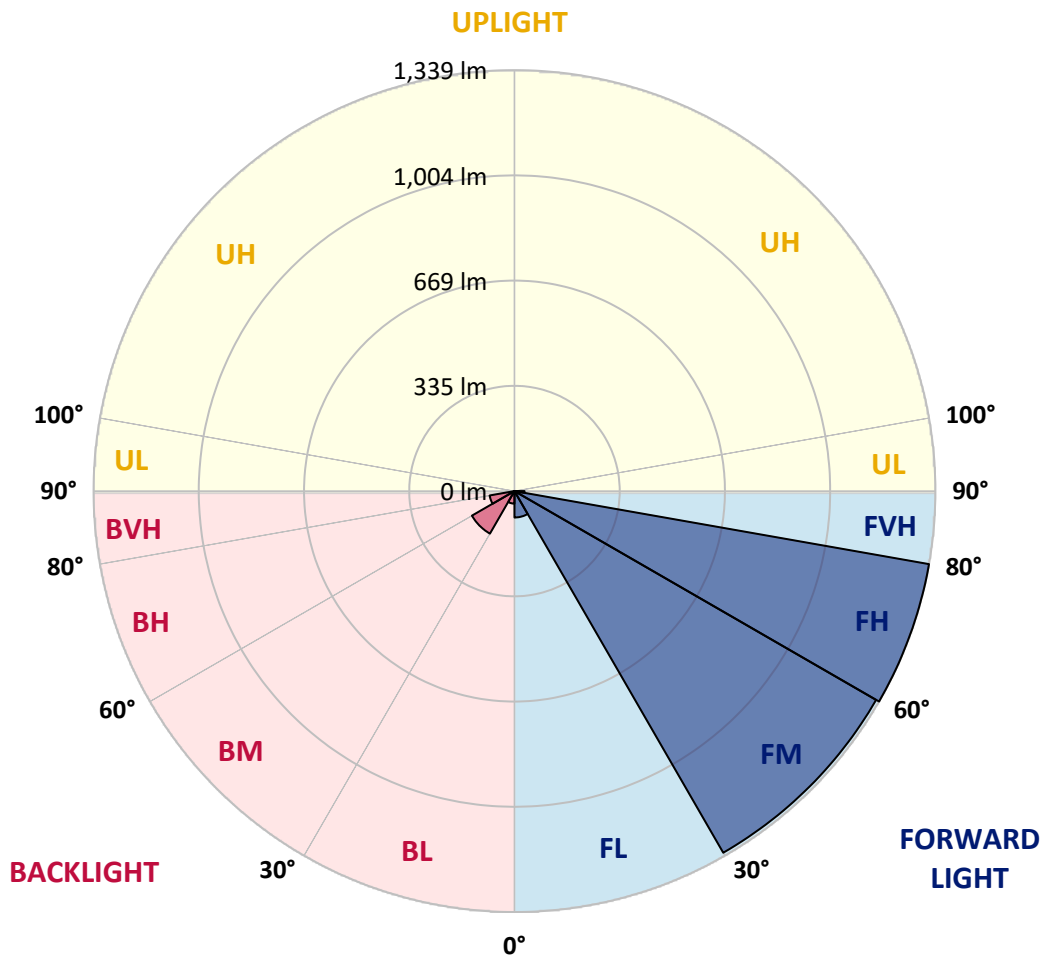
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	84.0	2.7			
FM (30°-60°)	1328.4	43.4			
FH (60°-80°)	1339.0	43.7			G1/1800
FVH (80°-90°)	32.0	1.0			G1/100
BL (0°-30°)	39.9	1.3	B0/110		
BM (30°-60°)	156.2	5.1	B0/220		
BH (60°-80°)	80.3	2.6	B0/110		G0/110
BVH (80°-90°)	1.2	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	69°	75°	85°
0°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
2.5°	0.4	0.4	0.4	0.4	0.9	0.9	1.3	1.3	1.3	1.3	1.3
5°	42.6	27.8	20.9	17.4	8.7	2.2	1.3	1.3	1.3	1.3	1.3
7.5°	65.7	65.7	66.1	66.6	67.9	57.0	12.2	1.3	1.3	1.3	1.3
10°	63.5	63.1	63.1	63.9	65.7	67.4	69.2	9.1	2.2	1.3	1.3
12.5°	124.0	122.7	114.0	79.6	65.2	66.1	69.6	53.1	14.8	8.7	50.0
15°	122.7	122.2	123.1	125.3	126.1	70.5	103.1	140.1	143.1	96.6	117.0
17.5°	134.0	130.1	124.0	124.8	128.8	151.4	145.7	151.8	154.9	108.3	126.6
20°	185.3	184.9	185.7	145.7	136.1	191.8	168.8	164.9	204.9	214.4	237.9
22.5°	189.2	188.3	189.7	194.0	217.9	200.5	244.5	250.1	261.9	289.7	271.9
25°	264.9	264.9	217.5	202.7	248.4	226.6	302.7	284.5	278.4	311.0	349.7
27.5°	319.7	316.2	304.9	283.2	258.4	320.6	322.3	388.9	394.5	434.1	441.5
30°	405.0	400.2	370.2	353.2	320.6	337.1	376.3	462.4	431.1	462.8	495.0
32.5°	599.4	592.4	554.6	445.0	404.1	365.4	451.1	496.3	527.2	613.3	648.6
35°	776.4	731.2	679.4	595.9	489.8	475.0	486.7	615.5	652.0	678.6	714.2
37.5°	954.8	955.6	903.9	701.2	619.0	548.5	586.8	687.7	724.7	763.8	796.0
40°	1097.9	1076.1	1007.0	858.2	730.3	659.9	664.6	758.2	823.9	873.0	879.5
42.5°	1280.6	1271.4	1169.7	1001.8	874.3	805.6	784.7	830.8	917.8	950.4	970.4
45°	1455.4	1442.0	1355.4	1165.3	1028.3	951.3	922.6	923.0	1008.7	1043.5	1072.2
47.5°	1586.4	1564.6	1518.1	1315.8	1221.9	1110.5	1050.9	1028.3	1111.8	1157.0	1173.1
50°	1723.4	1687.7	1650.7	1485.9	1388.9	1292.3	1178.4	1153.1	1213.6	1264.0	1277.1
52.5°	1815.2	1763.4	1737.7	1607.2	1538.5	1477.2	1305.8	1277.5	1320.6	1380.2	1369.7
55°	1768.6	1752.5	1780.4	1712.1	1645.5	1577.7	1444.6	1421.5	1432.8	1482.8	1458.0
57.5°	1671.6	1676.4	1758.6	1771.7	1741.7	1677.7	1569.0	1565.1	1542.0	1582.9	1550.7
60°	1570.3	1588.1	1702.5	1767.8	1789.5	1768.2	1700.3	1671.6	1651.2	1679.9	1654.7
62.5°	1434.6	1438.0	1591.6	1733.0	1771.2	1838.7	1792.1	1778.2	1736.0	1778.6	1768.2
65°	1264.0	1268.4	1412.8	1613.3	1716.4	1852.1	1863.9	1878.7	1846.1	1857.8	1890.9
67.5°	1073.5	1081.8	1207.9	1401.5	1598.5	1825.6	1923.5	1951.8	1949.1	1945.7	1978.3
70°	869.1	874.7	977.4	1147.0	1408.0	1752.5	1978.7	2014.8	2024.8	2000.5	1977.4
72°	555.9	583.3	719.0	879.1	1191.8	1641.6	2003.5	2037.9	2055.3	1997.0	1831.7
72.5°	436.7	458.5	664.2	805.6	1117.9	1615.9	1998.7	2030.0	2046.1	1977.8	1769.9
75°	94.0	96.6	207.9	391.5	705.1	1238.0	1833.0	1836.9	1854.3	1723.4	1211.9
77.5°	40.5	40.9	57.9	129.2	253.2	632.9	1268.8	1304.9	1303.6	1115.3	585.9
80°	28.3	29.1	34.4	59.2	120.5	183.1	619.8	623.8	536.8	398.9	146.2
82.5°	14.8	15.7	24.4	35.2	81.8	67.0	200.5	202.3	149.2	94.0	33.9
85°	2.6	3.9	11.7	21.3	31.8	27.0	43.9	55.2	47.8	37.4	14.4
87.5°	0.4	0.4	3.0	3.0	4.3	2.6	4.3	4.8	5.2	7.8	3.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
2.5°	1.3	1.3	1.3	1.3	0.9	0.4	0.0	0.0	0.0	0.0	0.0
5°	1.3	1.3	1.3	1.3	0.9	0.4	0.0	0.0	0.0	0.0	0.0
7.5°	1.3	1.3	1.3	1.3	0.9	0.4	0.0	40.0	53.9	57.4	61.3
10°	1.3	1.7	1.3	1.3	0.9	54.8	67.4	68.3	69.2	69.2	68.7
12.5°	55.2	56.5	20.0	3.9	50.9	69.6	66.1	60.5	55.2	53.5	53.1
15°	118.3	118.7	107.4	92.7	98.7	65.7	51.8	58.7	59.6	57.4	57.4
17.5°	127.4	127.4	121.8	148.8	124.8	65.7	54.4	44.8	38.3	36.5	36.1
20°	252.3	221.0	178.8	150.9	101.8	73.5	38.3	32.6	31.8	31.8	33.1
22.5°	272.3	268.4	232.7	203.6	87.4	51.8	37.4	37.4	44.4	43.5	43.1
25°	355.4	350.2	263.6	177.0	87.4	44.4	47.4	41.8	40.9	40.0	39.1
27.5°	449.3	438.5	370.6	160.1	61.8	46.5	45.2	39.6	47.0	47.0	46.5
30°	511.5	470.6	373.2	143.5	52.2	49.6	42.6	46.1	41.8	39.1	39.1
32.5°	662.9	644.2	456.3	101.4	49.6	44.8	44.8	39.6	35.2	36.5	36.1
35°	710.8	686.4	406.3	76.1	45.7	41.3	37.4	34.8	30.0	27.0	26.5
37.5°	769.9	738.2	341.0	58.7	44.8	36.5	30.9	26.5	23.1	23.1	22.6
40°	842.6	794.3	278.8	50.0	39.6	31.3	23.9	20.4	18.3	17.0	16.5
42.5°	922.2	847.3	214.4	45.2	34.4	25.7	17.8	14.8	13.5	13.0	13.0
45°	1006.1	896.5	154.0	41.3	30.0	20.0	13.0	10.4	10.0	10.0	10.0
47.5°	1091.8	932.2	104.8	37.4	25.2	14.8	9.6	7.8	7.8	7.4	7.4
50°	1175.7	956.5	72.2	33.5	20.4	10.4	7.0	6.5	6.5	6.1	6.1
52.5°	1236.6	950.9	53.9	29.1	16.1	7.8	5.7	5.2	5.2	5.2	5.2
55°	1295.8	938.2	44.4	24.8	12.2	5.7	4.3	3.9	3.9	3.9	3.9
57.5°	1356.7	921.3	38.3	20.0	8.7	4.3	3.0	3.0	3.0	3.0	3.0
60°	1407.2	888.2	33.1	16.1	6.1	3.0	2.6	2.2	2.2	2.2	2.2
62.5°	1463.3	854.7	28.3	12.2	4.3	2.2	1.7	1.3	1.3	0.9	1.3
65°	1503.3	813.8	23.1	8.7	3.0	1.7	1.3	0.9	0.4	0.0	0.4
67.5°	1502.4	759.5	16.5	5.7	2.2	1.3	0.9	0.4	0.0	0.0	0.0
70°	1436.7	681.6	11.3	3.9	1.7	0.9	0.9	0.4	0.0	0.0	0.0
72°	1268.0	549.8	8.7	3.5	1.7	0.9	0.9	0.4	0.0	0.0	0.0
72.5°	1208.8	504.6	7.8	3.0	1.7	0.9	0.9	0.4	0.0	0.0	0.0
75°	767.7	210.1	6.1	2.6	1.7	0.9	0.9	0.4	0.4	0.4	0.0
77.5°	356.7	77.0	4.3	2.2	1.3	0.9	0.9	0.4	0.4	0.9	0.0
80°	77.9	22.6	3.0	2.2	1.3	0.9	0.9	0.9	0.9	1.3	0.0
82.5°	17.8	7.4	2.6	1.7	1.3	0.9	0.9	0.9	0.9	1.3	0.0
85°	6.5	4.3	2.6	2.2	1.7	0.9	0.9	1.3	1.3	1.7	0.0
87.5°	2.6	2.6	2.2	2.2	1.7	0.9	1.3	1.3	1.7	1.7	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)